

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) Medical membrane (1-6) for arranging in a dentine cavity of a tooth for capping of a pulp exposure wherein said medical membrane comprises at least one roughened surface which has a porous structure, reticular structure, or some combination thereof, and said membrane has a surface of less than 100 mm².
2. (Original) Medical membrane (1-6) of claim 1, wherein said membrane is essentially impermeable to a sealant or to a cement.
3. (Original) Medical membrane (1-6) of claim 1, wherein the percentage of the pores or of the mesh of the porous and/or reticular surface is higher than 20 %.
4. (Original) Medical membrane (1-6) of claim 1, wherein the average diameter of the pores and/or the width of mesh is between 0.5 μm and 200 μm .
5. (Original) Medical membrane (1-6) of claim 4, wherein said average diameter of the pores and/or the width of mesh is between 1 μm and 100 μm .
6. (Original) Medical membrane (1-6) of claim 1, wherein said membrane is self adhesive to the dentine or is adhesive to the dentine due to an adhesive coating.
7. (Cancelled)
8. (Original) Medical membrane (1-6) of claim 7~~1~~, wherein said membrane has a surface of less than 50 mm².

9. (Original) Medical membrane (1-6) of claim 1, wherein said membrane has a thickness of less than 3 mm.

10. (Original) Medical membrane (1-6) of claim 9, wherein said membrane has a thickness of less than 0.5 mm.

11. (Original) Medical membrane of claim 1, wherein said membrane (1-6) has a round or oval shape.

12. (Original) Medical membrane of claim 1, wherein said membrane (1-6) is bent convex or concave.

13. (Original) Medical membrane (1-6) of claim 1, wherein said membrane (1-6) comprises reinforcements which make said membrane plastically deformable.

14. (Original) Medical membrane (1-6) of claim 1, wherein said membrane comprises a carrier foil which partially or fully covers and/or overlaps one side of said membrane.

15. (Original) Medical membrane (1-6) of claim 1, wherein said membrane (1-6) comprises an overlapping carrier foil (13-18) wherein said overlapping part of said carrier foil adheres to the dentine.

16. (Original) Medical membrane (1-6) of claim 1, wherein said membrane (1-6) comprises a carrier foil (13-18) which does not form any adhesive connection to a restorative material.

17. (Original) Medical membrane of claim 1, wherein said membrane (1-6) comprises a carrier foil (13-18) which does form an adhesive connection to a restorative material.

18. (Previously Presented) Medical membrane (1-6) of claim 1, wherein said membrane is made of a non-reabsorbable material.

19. (Original) Medical membrane (1-6) of claim 1, wherein said membrane is made of a reabsorbable material.

20. (Original) Medical membrane (1-6) according to claim 19, wherein said membrane is made of collagen.

21. (Previously Presented) Medical membrane (1-6) of claim 1, wherein said membrane comprises an active compound which has a bacteriostatic or bactericidal effect.

22. (Original) Medical membrane (1-6) of claim 1, wherein said membrane is impermeable to ions and to molecules.

23. (Original) A set of medical membranes (1-6) of claim 1, wherein said set comprises membranes of different size and wherein the size of said membranes is smaller than 50 mm².

24. (Original) A method for the application of a medical membrane in dentistry, comprising the following steps:

- a) positioning of a membrane on the area of a cavity where the pulp is exposed,
- b) filling the cavity above said membrane with a restorative material.

25. (Original) Method of claim 24, wherein said membrane is in contact with the dentine surrounding the area of the exposed pulp.

26. (Currently Amended) A device for the application of a medical membrane (1-6) in a cavity of a tooth comprising a handle and a ~~removable~~ skeleton form having a hemispherical shape, said skeleton form being removably fixed to the handle.

27. (Original) The device of claim 26, wherein said removable skeleton form is suitable to remain in the cavity and usable to be embedded in a filling in the cavity.

28. (Previously Presented) Kit for the treatment of pulp exposures comprising at least a medical membrane (1-6) which comprises at least one roughened surface which as a porous and/or reticular structure and a device of claim 26 for the application of a medical membrane in a cavity.

29. (Cancelled)

30. (Previously Presented) The medical membrane of claim 18, wherein said non-readsorbable material comprises polytetrafluoroethylene or titanium.

31. (Previously Presented) Medical membrane (1-6) of claim 1, wherein said membrane comprises a growth factor which stimulates cell attachment, cell integration, tissue formation, or some combination thereof.

32. (New) Medical membrane (1-6) for arranging in a dentine cavity of a tooth for capping of a pulp exposure wherein said medical membrane comprises at least one roughened surface which has a porous structure, reticular structure, or some combination thereof, wherein said membrane is bent convex or concave.

33. (New) Medical membrane (1-6) for arranging in a dentine cavity of a tooth for capping of a pulp exposure wherein said medical membrane comprises at least one roughened surface which has a porous structure, reticular structure, or some combination thereof, wherein said membrane comprises reinforcements which make said membrane plastically deformable.

34. (New) Medical membrane (1-6) for arranging in a dentine cavity of a tooth for capping of a pulp exposure wherein said medical membrane comprises at least one roughened surface which has a porous structure, reticular structure, or some combination thereof.

wherein said membrane comprises an overlapping carrier foil (13-18) wherein said overlapping part of said carrier foil adheres to the dentine.

35. (New) Medical membrane (1-6) for arranging in a dentine cavity of a tooth for capping of a pulp exposure wherein said medical membrane comprises at least one roughened surface which has a porous structure, reticular structure, or some combination thereof, wherein said membrane comprises a carrier foil (13-18) which does form an adhesive connection to a restorative material.

36. (New) Kit for the treatment of pulp exposures comprising at least a medical membrane (1-6) which comprises at least one roughened surface which as a porous and/or reticular structure and a device for the application of a medical membrane in a cavity of a tooth comprising a handle and a removable skeleton form having a hemispherical shape.